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ARRIS GROUP, INC. Petitioner
v.
TQ DELTA, LLC Patent Owner
Case:

PETITION FOR *INTER PARTES* REVIEW OF U.S. PATENT NO. 8,611,404

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	U.S. Patent 5,956,323 (Bowie) and U.S. Patent 6,246,725 (Vanzielegheme Obvious to Combine in View of the 1995 ADSL Standard	_
B. of th	T1E1.4/97-161R1 and T1E1.4/97-319 were Obvious to Combine in Viewne 1995 ADSL Standard	
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	Ground 1: Claims 1-20 of U.S. Patent 8,611,404 are obvious under 35 .C. § 103(a) by the combination of U.S. Patent 5,956,323 (Bowie) and U.S ent 6,246,725 (Vanzieleghem) in View of the 1995 ADSL Standard	
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3.	Limitation [C] from Claims 1 and 11	.34
	a. [C] transmit[ting, by a transceiver], in a full power mode, a plurality superframes	
4.	Limitation [D] from Claims 6 and 16	.35
	a. [D] receive[receiving], in a full power mode, a plurality of superfram 35	ies
5.	Limitation [E] from Claims 1, 6, 11, and 16	.36
	a. [E] wherein the superframe comprises a plurality of data frames followed by a synchronization frame;	.36
6.	. Limitation [F] from Claims 1 and 11	.37
	a. [F] transmit[ting], in the full power mode, a synchronization signal;	.37
7.	. Limitation [G] from Claims 6 and 16	.37
	a. [G] receive[receiving], in the full power mode, a synchronization signal;	.37
8.		
	a. [H] receive a message to enter into a low power mode;	
9.	<u> </u>	
	a. [I] transmit a message to enter into a low power mode;	
10	0. Limitation [J] from Claims 1 and 11	
	a. [J] enter into the low power mode by reducing the power consumption of at least one portion of a transmitter:	



11.	Limitation [K] from Claims 1, 6, 11, and 16	.39
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a.	[M] transmit, in the low power mode, a synchronization signal;	.41
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a.	[N] receive, in the low power mode, a synchronization signal;	.41
15.	Limitation [O] from Claims 1, 6, 11, and 16	.42
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18.	Limitation [R] from claims 4, 9, 14 and 19	.44
	[R] The apparatus[method] of claim 1[6, 11, 16], wherein the apparatus[method is performed by] a CO device that is [capable of] transmitting ecciving] internet and video data.	
19.	Limitation [S] from claim 5, 10, 15, and 20	.45
-	[S] The apparatus[method] of claim 1 [6, 11, 16], wherein the paratus is[method is performed by] a customer premises equipment that capable of transmitting [receiving] internet and video data	
U.S.C.	round 2: Claims 1-20 of U.S. Patent 8,611,404 are Obvious under 35 § 103(a) by the Combination of T1E1.4/97-161R1 and T1E1.4/97-319 f the 1995 ADSL standard	
1.	Preamble [A] from Claims 1 and 6	.47
a.	[Preamble A] An apparatus comprising a transceiver operable to:	.47



2.		Preamble [B] from Claims 11 and 16	.47
	a.	[Preamble B] A method of multicarrier communications comprising:	: 47
3.		Limitation [C] from Claims 1 and 11	.48
	a.	[C] transmit[ting, by a transceiver], in a full power mode, a plurality operframes	
4.		Limitation [D] from Claims 6 and 16	.48
	a.	[D] receive[receiving], in a full power mode, a plurality of superfran 48	nes
5.		Limitation [E] from Claims 1, 6, 11, and 16	.49
	a. fo	[E] wherein the superframe comprises a plurality of data frames ollowing by a synchronization frame;	.49
6.		Limitation [F] from Claims 1 and 11	.50
	a.	[F] transmit[ting], in the full power mode, a synchronization signal;.	.50
7.		Limitation [G] from Claims 6 and 16	.50
	a. si	[G] receive[receiving], in the full power mode, a synchronization gnal;	.50
8.		Limitation [H] from claims 1 and 11	.51
	a.	[H] receive a message to enter into a low power mode;	.51
9.		Limitation [I] from Claims 6 and 16	.51
	a.	[I] transmit a message to enter into a low power mode;	.51
10).	Limitation [J] from Claims 1 and 11	.51
	a. of	[J] enter into the low power mode by reducing the power consumption at least one portion of a transmitter;	
1	1.	Limitation [K] from Claims 1, 6, 11, and 16	.52
	a. w	[K] store, in the low power mode, at least one parameter associated ith the full power modem operation	.52
12	2.	Limitation [L] from Claims 1, 6, 11, and 16	.53
	a. ga	[L] wherein the at least one parameter comprises at least one of a fin ain parameter and a bit allocation parameter;	
1.	3.	Limitation [M] from Claims 1 and 11	.53
	a.	[M] transmit, in the low power mode, a synchronization signal;	.53
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